

Amend
now U.S. Patent No. 6,354,899, issued March 12, 2002. The aforementioned application is hereby incorporated herein by reference.

In the Claims:

Pursuant to 37 C.F.R. § 1.121(c)(1), amendments to claims 2-4, 6 and 12 are hereby made by the below rewriting of said claims, in clean form, with all changes included. Pursuant to 37 C.F.R. § 1.121(c)(1)(ii), please find attached hereto one or more pages, marked up to show all changes relative to the previous version of each claim so amended.

- X2*
2. (Amended) A flat-panel display according to claim 1, wherein said display is a plasma display panel having a hermetically sealed gas filled enclosure, wherein said array of fibers is contained in said hermetically gas filled enclosure to form part of a plasma cell structure.
3. (Amended) A flat-panel display according to claim 1, wherein said display is a plasma addressed liquid crystal panel, wherein said array of fibers forms a plasma cell structure.
4. (Amended) A flat-panel display according to claim 1, wherein said display is a field emission display panel having a hermetically sealed vacuum enclosure, wherein said array of fibers is contained in said hermetically sealed vacuum enclosure to form part of said structure in said display.
6. (Amended) A flat-panel display according to claim 5, wherein said hermetically sealed gas filled enclosure contains:
- A3*
- said two glass plates sandwiched around a top fiber array and a bottom fiber array, said top and bottom fiber arrays being substantially orthogonal and defining a structure of said display, said top fiber array disposed on a side facing towards a viewer;
- said top fiber array including identical top fibers having at least two ends, each top fiber including two wire sustain electrodes located near a surface of said top fiber on a side facing away from said viewer and a thin dielectric layer separating said sustain electrodes from said surface, said surface being covered by an emissive film;

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said bottom fiber array including three alternating bottom fibers, each bottom fiber having at least two ends and including a pair of barrier ribs that define a plasma channel, at least one wire address electrode located near a surface of said plasma channel, and a phosphor layer coating on said surface of said plasma channel, wherein a luminescent color of said phosphor coating in each of said three alternating bottom fibers represents a subpixel color of said plasma display;

each subpixel being formed by a crossing of one top fiber and one corresponding bottom fiber; and

said plasma display being hermetically sealed with a glass frit where said wire electrodes are brought out through said glass frit.

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12. (Amended) A flat-panel display comprising a vacuum tube attachment where a glass frit to seal a vacuum tube to said panel is forced to flow into a tube panel junction using a glass washer over said vacuum tube.

REMARKS

The Office Action of May 22, 2002 has been reviewed and its contents carefully noted. Reconsideration of this case, as amended, is requested. Claims 1 through 14 remain in this case, claims 2-4, 6 and 12 being amended by this response.

Objection to the Drawings

The drawings were objected to under 37 CFR 1.83(a) because the field emission display panel having an hermetically sealed vacuum enclosure containing at least one array of fibers to form part of the structure in the display in claim 4 was not shown in the drawings. The Applicant respectfully disagrees.

The features of claim 4 are shown in the Figures. Specifically, Figure 22 shows the frit sealing process step for a flat panel display (see Figure 22, and present application, p. 17, lines 17-26). This figure shows generic fiber structures (17) and (27) for the two orthogonal arrays of a flat panel display. The figure encompasses a field emission display as claimed in claim 4.